FIG.1

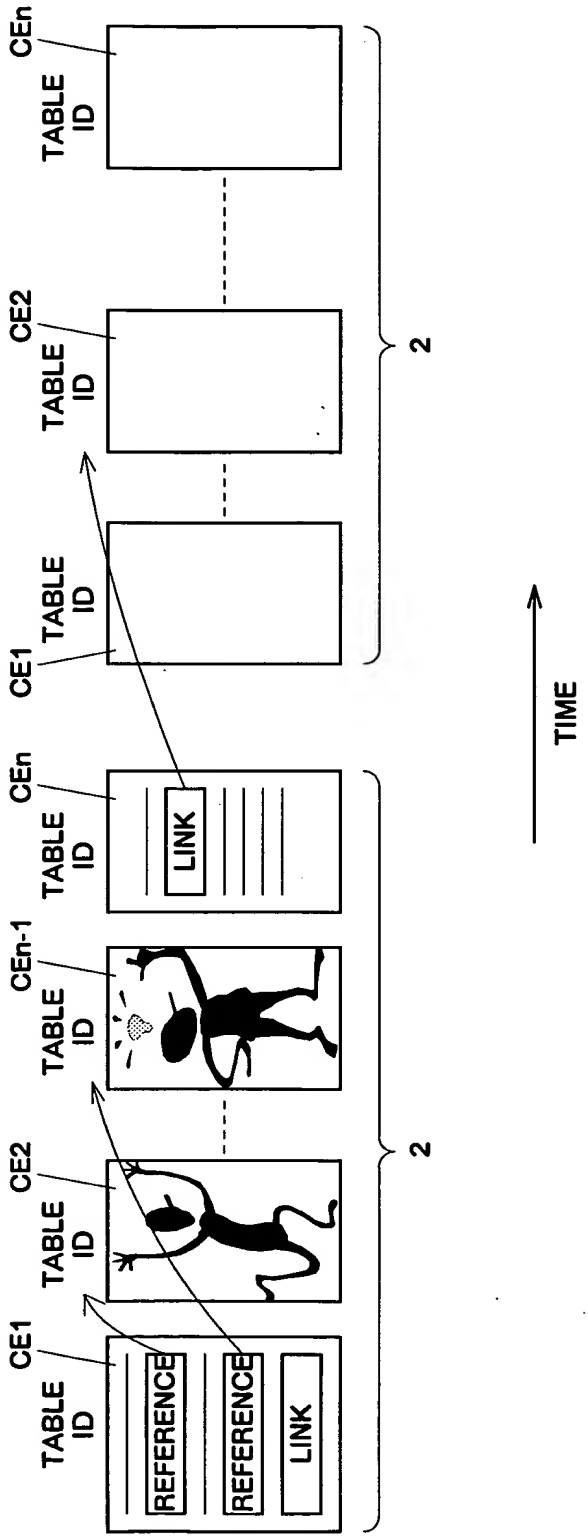

CE1
TABLE ID
REFERENCE
REFERENCE
LINK
CE2
TABLE ID
CEn-1
TABLE ID
CEn
TABLE ID
LINK
CE1
TABLE ID
CE2
TABLE ID
CEn
TABLE ID
2
2
TIME

FIG.2

```
<html>
<head>
<style type="text/css">
 #img1{position:absolute;left:50px;
    top:300px;width:300px;height:500px;}
 #img2{position:absolute;left:400px;
    top:300px;width:300px;height:500px;}
 #img3{position:absolute;left:700px;
    top:300px;width:300px;height:500px;}
</style>
</head>
<body>
    <object id="img1"type="image/png"
        src= "http://www/dirA/0001/s1.png"
        alt= " THIS IMAGE IS A PNG FILE " >
    </object>
    <object id="img2"type="image/gif"
        src= "http://www/dirA/0001/s2.gif"
        alt= " THIS IMAGE IS A GIF FILE " >
    </object>
    <object id="img3"type="image/jpeg"
        src= "http://www/dirA/0001/s3.jpeg"
        alt= "  THIS IMAGE IS A JPEG FILE " >
    </object>
</body>
</html>
```

201a

201

202a

202

FIG.3

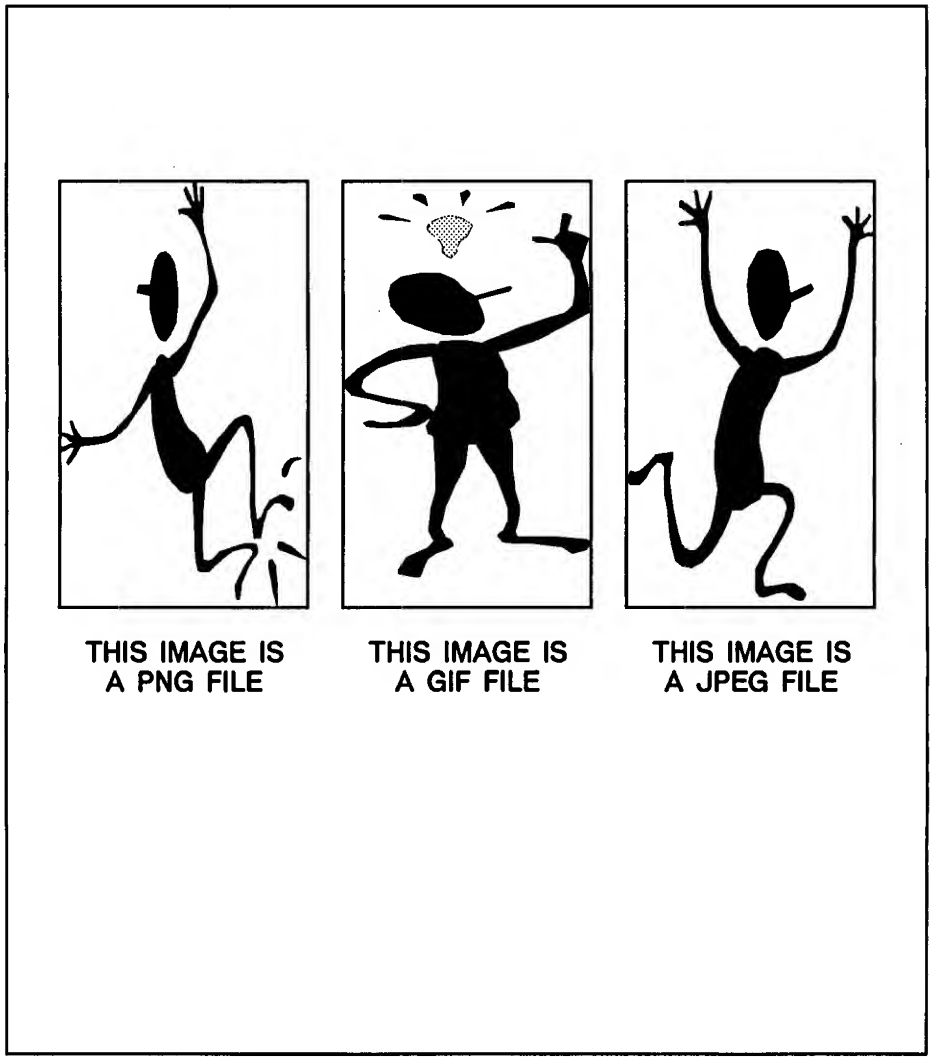

THIS IMAGE IS
A PNG FILE
THIS IMAGE IS
A GIF FILE
THIS IMAGE IS
A JPEG FILE

FIG.4

CONSTRUCTION OF BROADCAST DEVICE 10

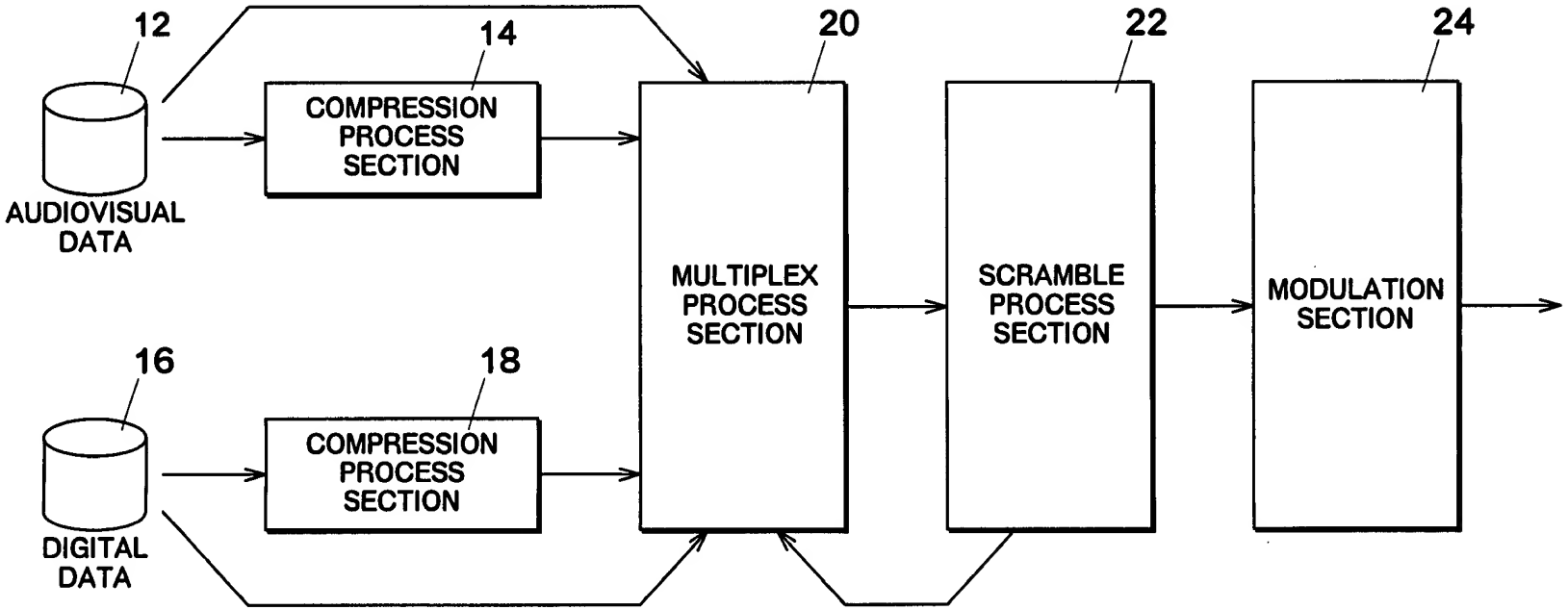
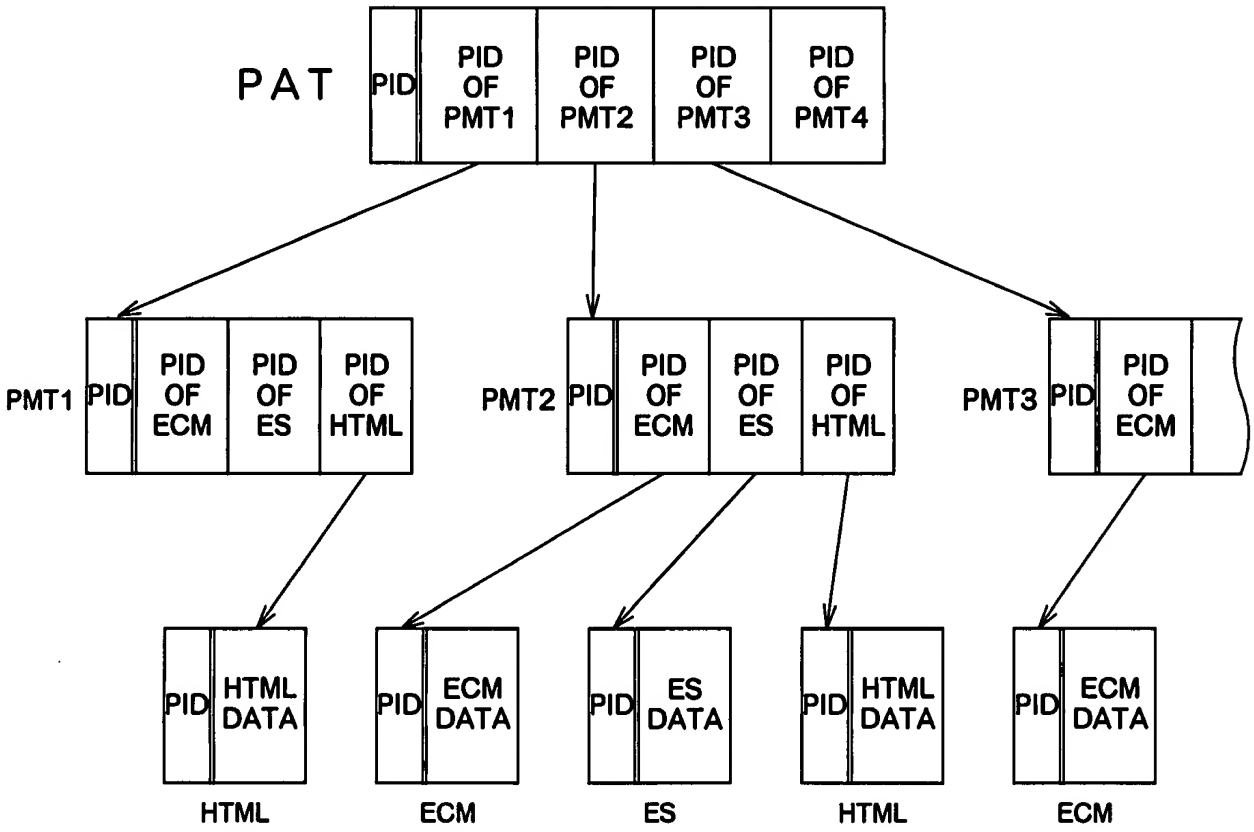


FIG.5


PAT
PID
PID OF PMT1
PID OF PMT2
PID OF PMT3
PID OF PMT4
PMT1
PID
PID OF ECM
PID OF ES
PID OF HTML
PMT2
PID
PID OF ECM
PID OF ES
PID OF HTML
PMT3
PID
PID OF ECM
PID
HTML DATA
HTML
PID
ECM DATA
ECM
PID
ES DATA
ES
PID
HTML DATA
HTML
PID
ECM DATA
ECM

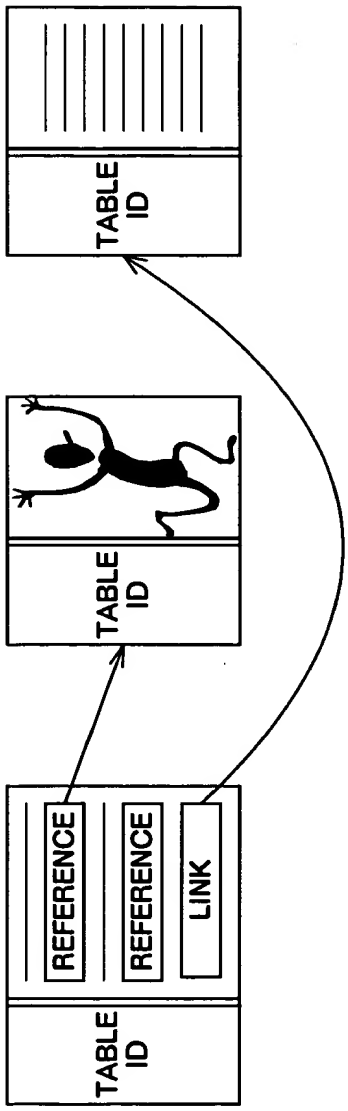


FIG.6

FIG.7A

CONTENTS TYPE INFORMATION

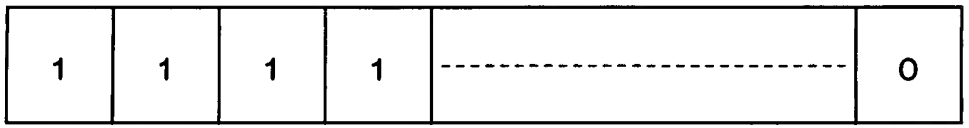


FIG.7B

RESTORABLE CONTENTS TYPE INFORMATION

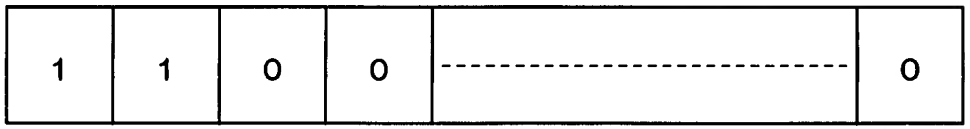


FIG.8

PMT

Syntax	No. of bits	Macmonic
TS_program_map_section(){		
table_id	8	uimsbf
section_syntax_indicator	1	bslbf
'()'	1	bslbf
reserved	2	bslbf
section_length	12	uimsbf
program_number	16	uimsbf
reserved	2	bslbf
version_number	5	uimsbf
carrent_next_indicator	1	bslbf
section_number	8	uimsbf
last_section_number	8	uimsbf
reserved	3	bslbf
PCR_PID	13	uimsbf
reserved	4	bslbf
program_info_length	12	uimsbf
for(i=0;i<N;i++){		
50 descriptor()		
}		
for(i=0;i<N1;i++){		
stream_type	8	uimsbf
reserved	3	bslbf
elementary_PID	13	uimsbf
reserved	4	bslbf
ES_info_length	12	uimsbf
for(i=0;i<N2;i++){		
descriptor()		
}		
}		
CRC_32	32	rpchof
}		

FIG.9

DESCRIPTOR OF PMT

DATA STRUCTURE	NUMBER OF BITS	BIT LINE DESCRIPTION
data_component_descriptor(){		
descriptor_tag	8	uimsbf
descriptor_length	8	uimsbf
descriptor_component_id	16	uimsbf
for(i=0;i<N;i++){		
additional_data_component_info	8	uimsbf
}		
}		

DATA STRUCTURE	NUMBER OF BITS	BIT LINE DESCRIPTION
additional_html_info(){		
bit_flag_length	8	uimsbf
for(i=0;i<bit_flag_length;i++){		
bit_flag	8	uimsbf
}		
}		

FIG.10

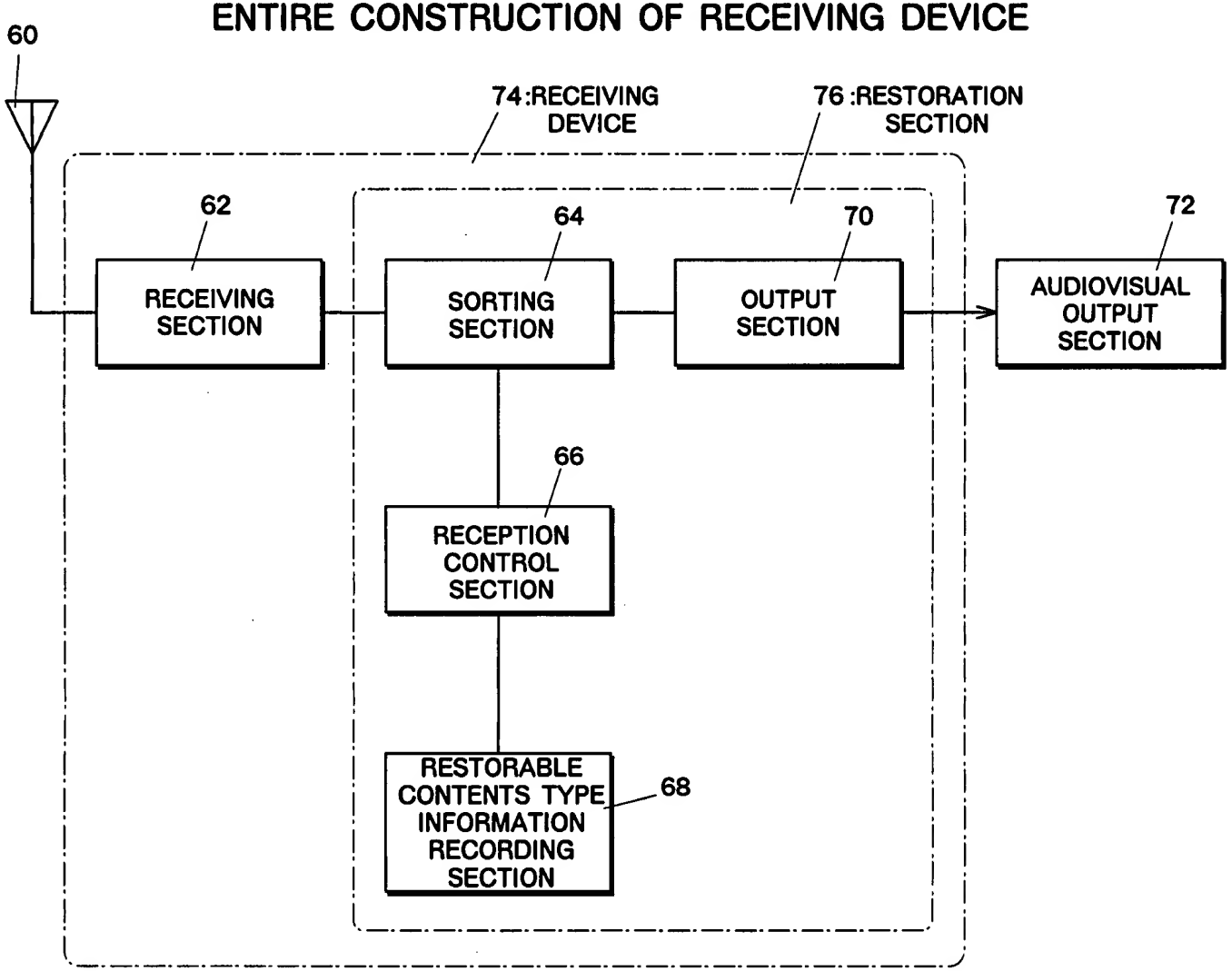

ENTIRE CONSTRUCTION OF RECEIVING DEVICE
60
74:RECEIVING DEVICE
76:RESTORATION SECTION
62
64
70
72
RECEIVING SECTION
SORTING SECTION
OUTPUT SECTION
AUDIOVISUAL OUTPUT SECTION
66
RECEPTION CONTROL SECTION
RESTORABLE CONTENTS TYPE INFORMATION RECORDING SECTION
68

FIG.11

HARDWARE STRUCTURE OF RECEIVING DEVICE

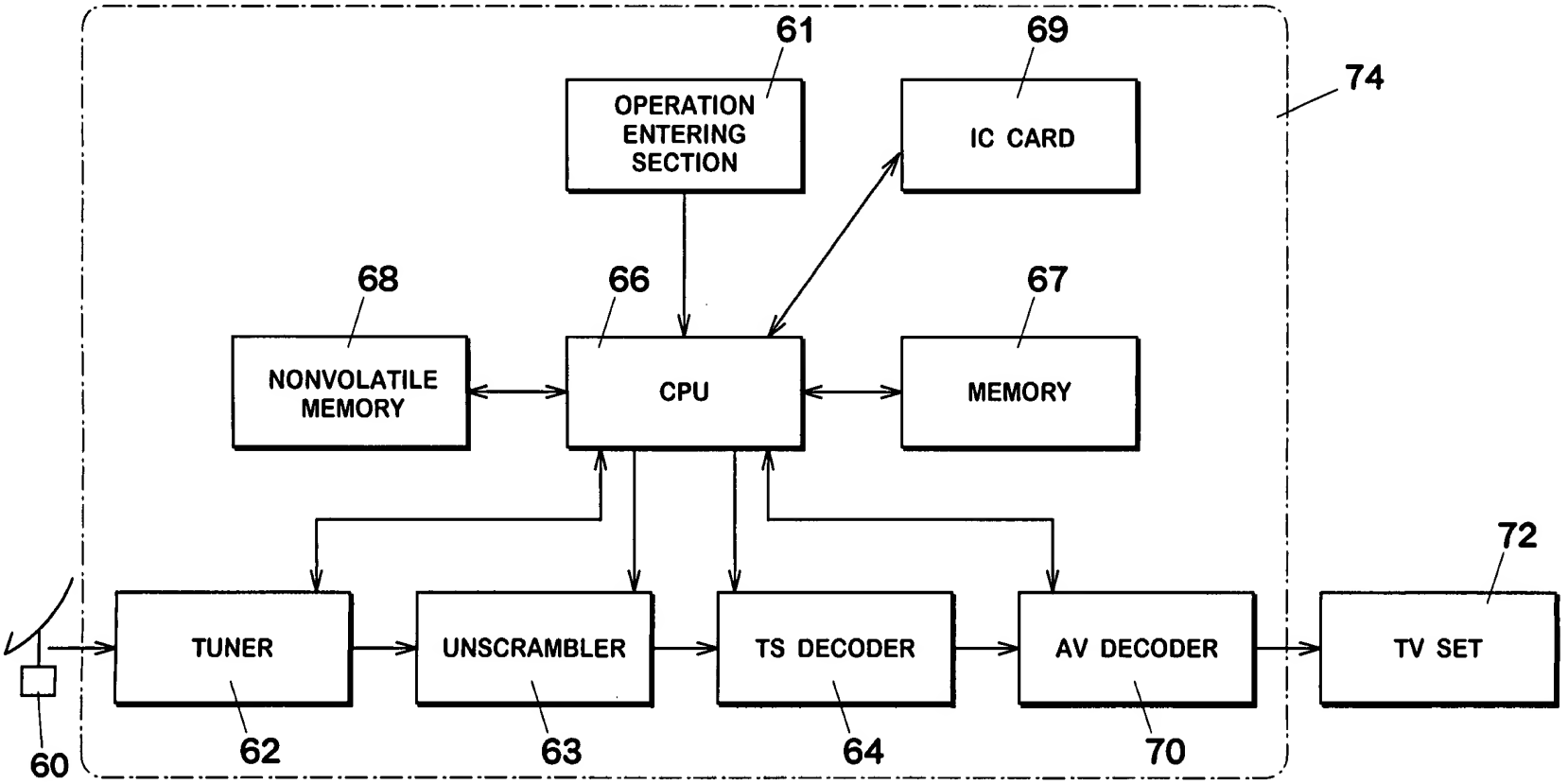
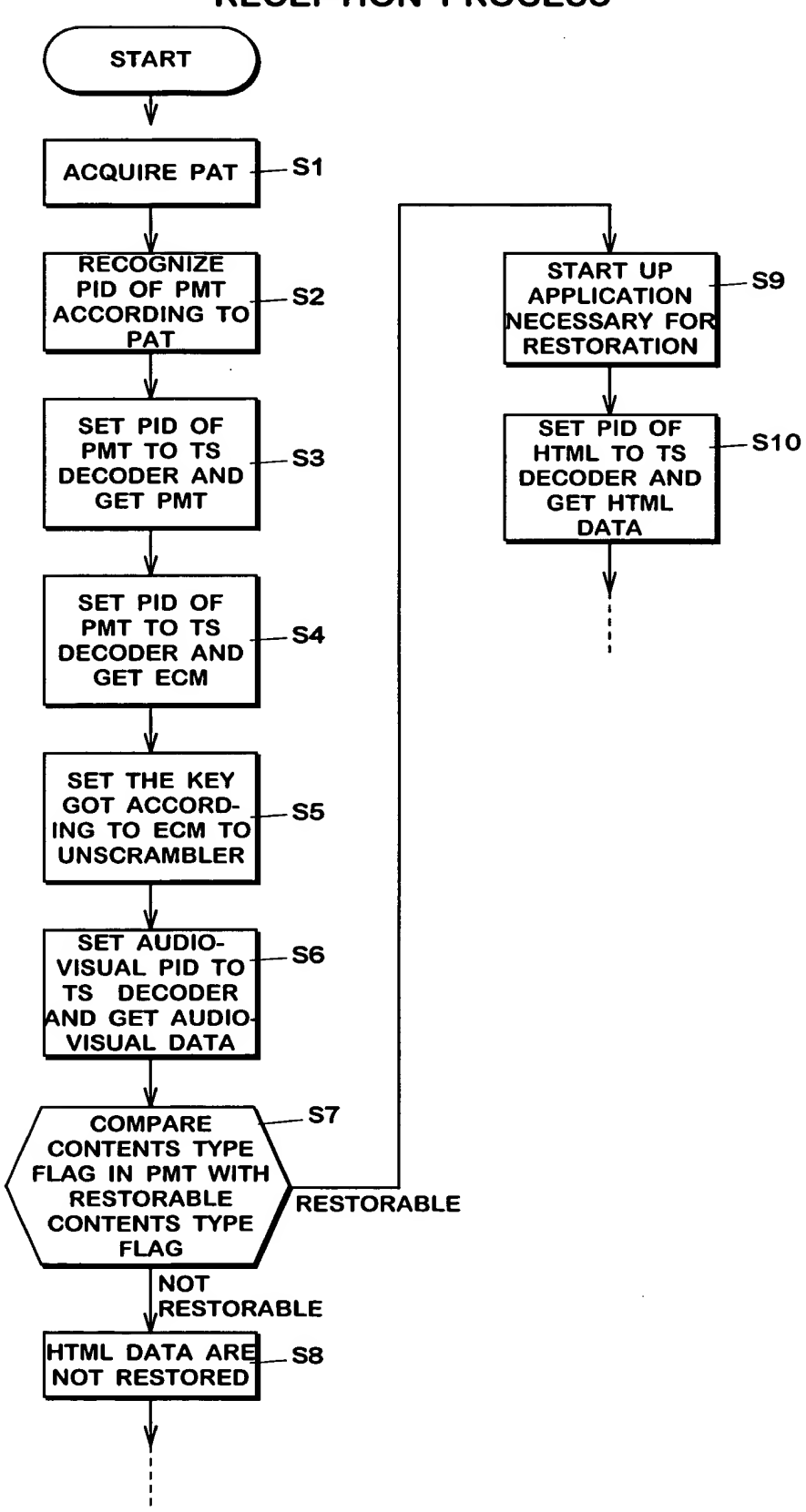


FIG.12


RECEPTION PROCESS
START
ACQUIRE PAT
S1
RECOGNIZE PID OF PMT ACCORDING TO PAT
S2
SET PID OF PMT TO TS DECODER AND GET PMT
S3
SET PID OF PMT TO TS DECODER AND GET ECM
S4
SET THE KEY GOT ACCORDING TO ECM TO UNSCRAMBLER
S5
SET AUDIO-VISUAL PID TO TS DECODER AND GET AUDIO-VISUAL DATA
S6
COMPARE CONTENTS TYPE FLAG IN PMT WITH RESTORABLE CONTENTS TYPE FLAG
S7
RESTORABLE
NOT RESTORABLE
HTML DATA ARE NOT RESTORED
S8
START UP APPLICATION NECESSARY FOR RESTORATION
S9
SET PID OF HTML TO TS DECODER AND GET HTML DATA
S10

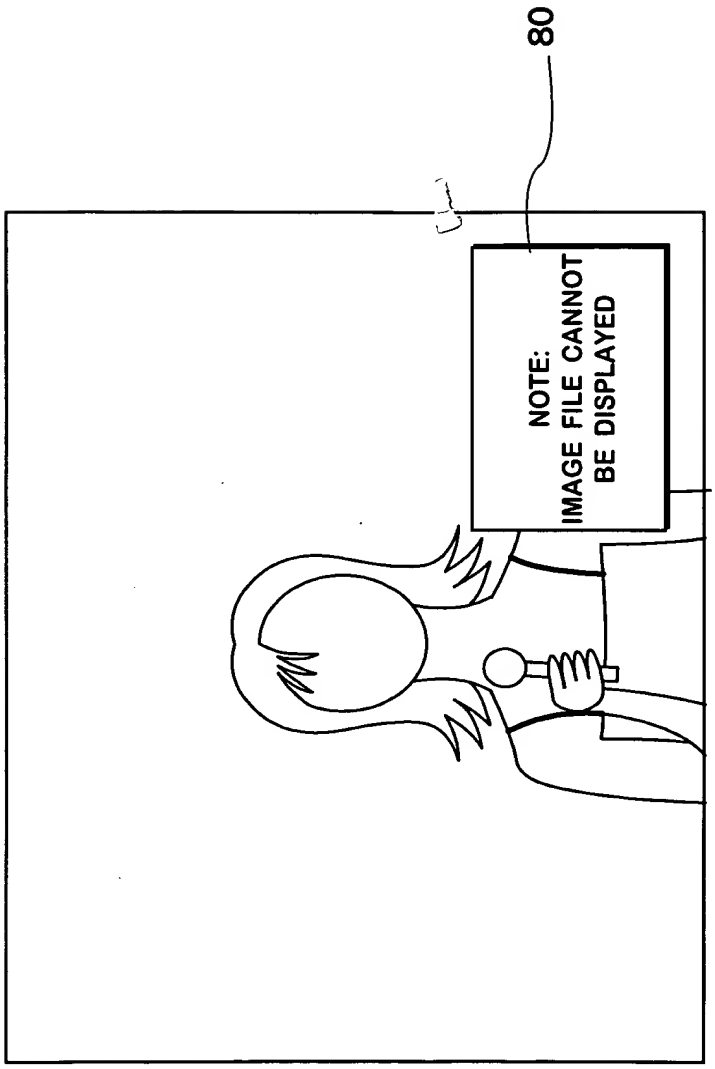


FIG.13

FIG.14

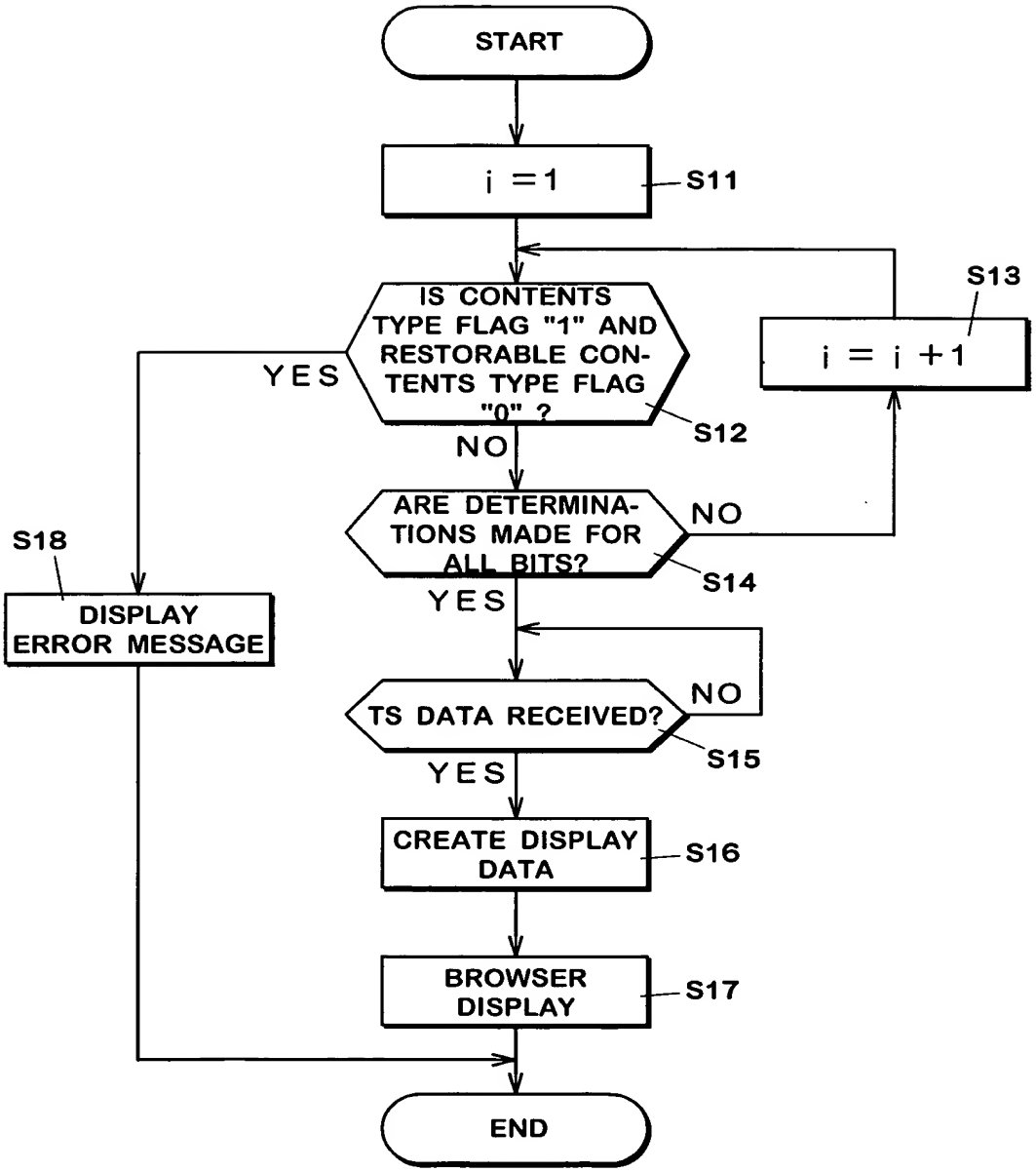

START
i =1
S11
IS CONTENTS TYPE FLAG "1" AND RESTORABLE CONTENTS TYPE FLAG "0" ?
S12
YES
NO
i = i +1
S13
ARE DETERMINATIONS MADE FOR ALL BITS?
S14
NO
YES
S18
DISPLAY ERROR MESSAGE
TS DATA RECEIVED?
S15
NO
YES
CREATE DISPLAY DATA
S16
BROWSER DISPLAY
S17
END

FIG.15

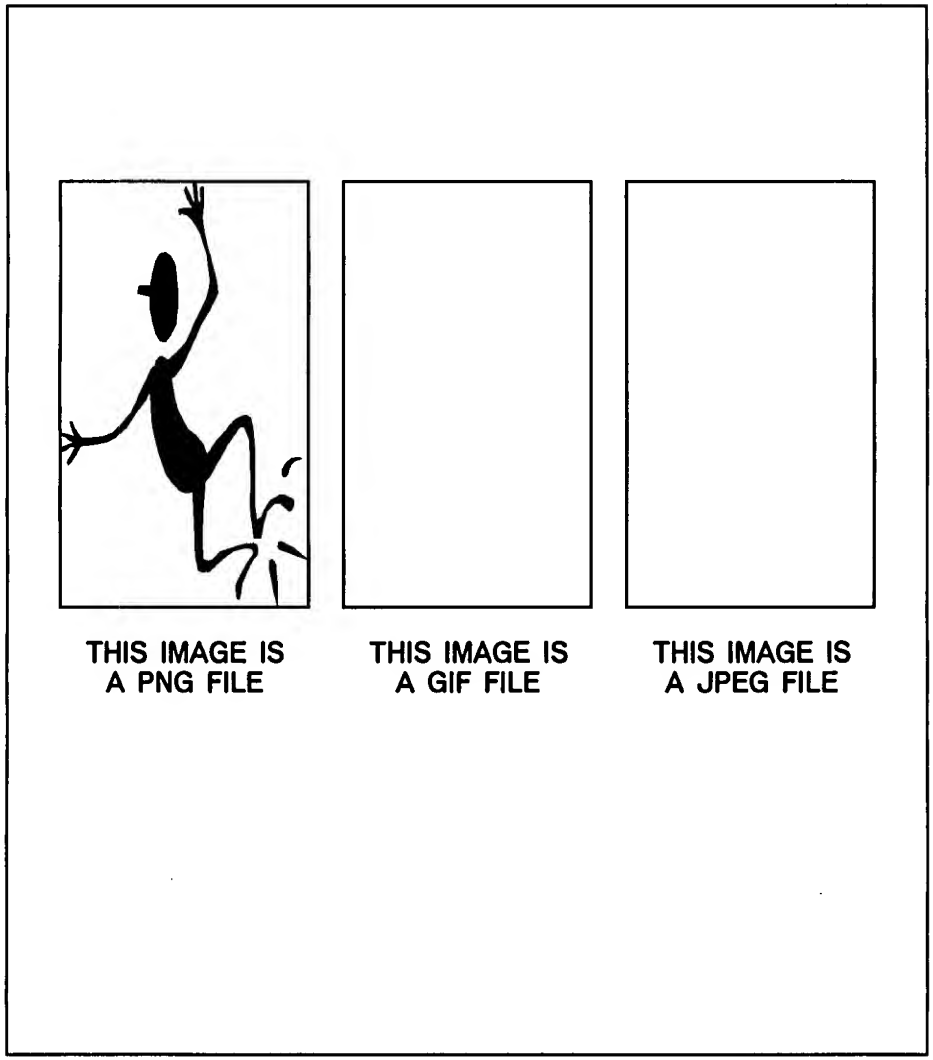

THIS IMAGE IS
A PNG FILE
THIS IMAGE IS
A GIF FILE
THIS IMAGE IS
A JPEG FILE

FIG.16

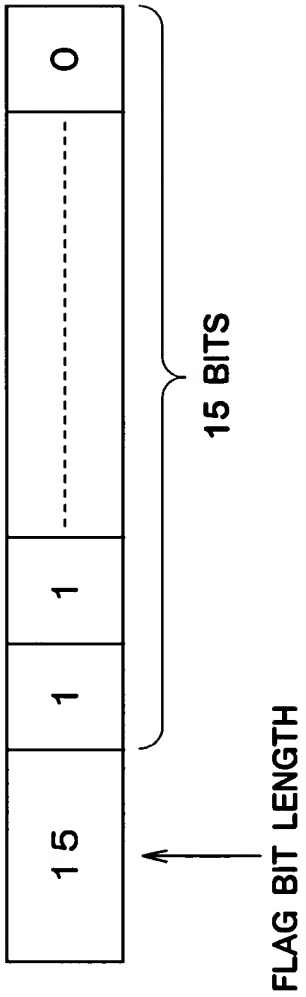
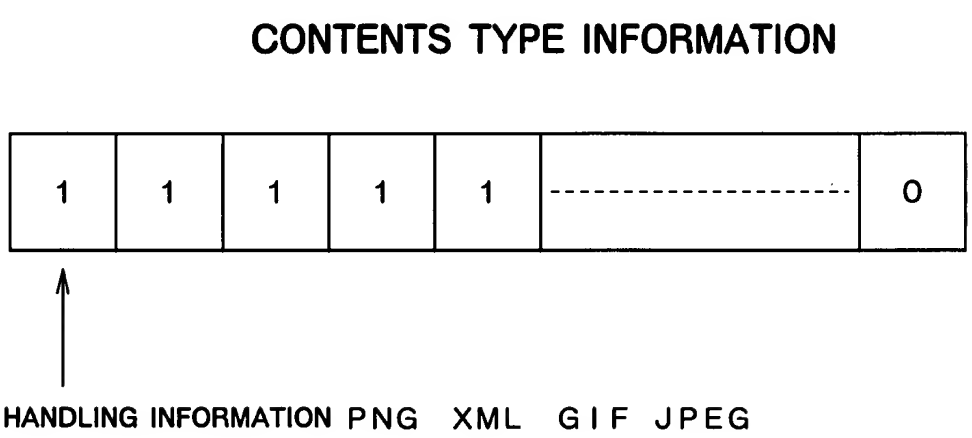


FIG.17

PNG, GIF, JPEG

FIG.18


CONTENTS TYPE INFORMATION
1
1
1
1
1
0
HANDLING INFORMATION PNG XML GIF JPEG

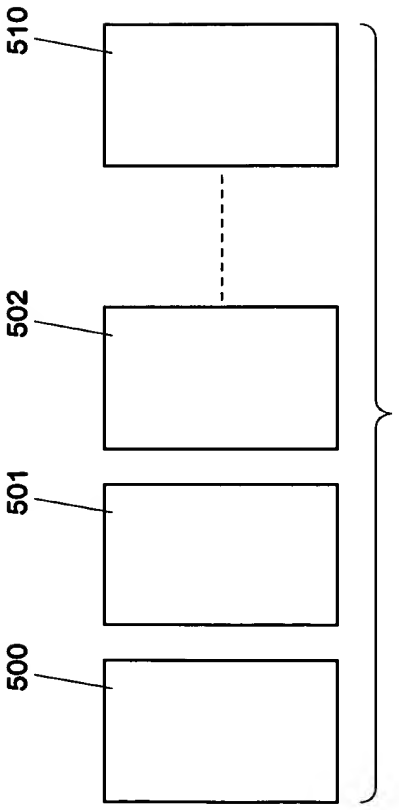


FIG.19

FIG.20

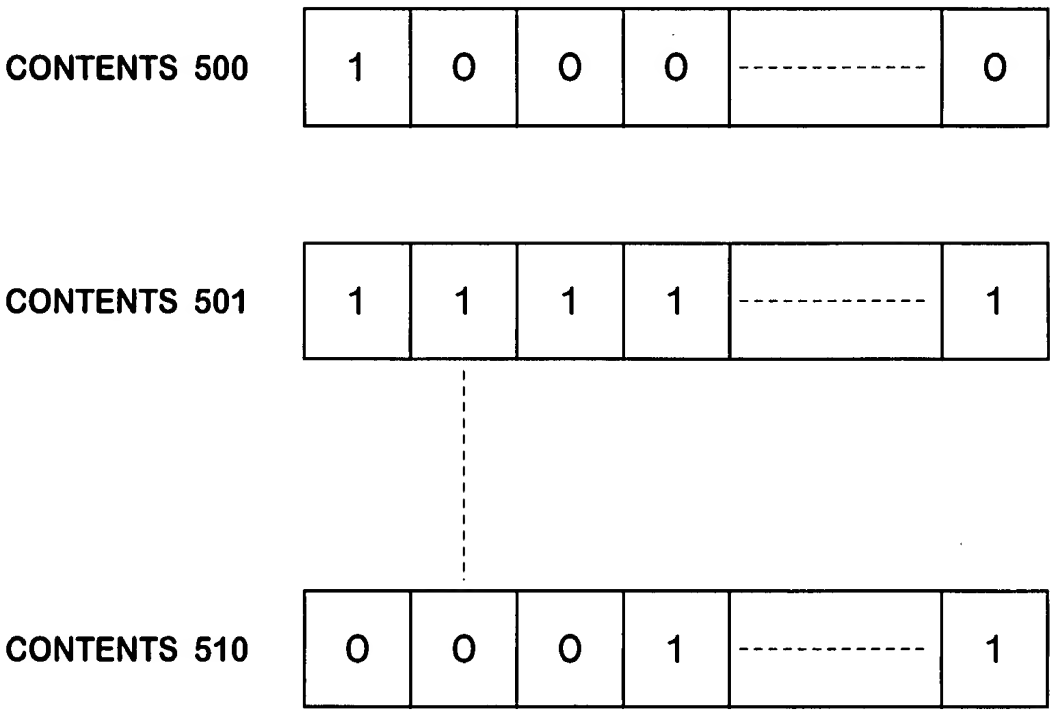


FIG.21

STRUCTURE OF DII

DATA STRUCTURE	NUMBER OF BITS	BIT LINE DESCRIPTION
DownloadInfoIndication(){		
dsmccMessageHeader()		
downloadId	32	uimsbf
blockSize	16	uimsbf
windowSize	8	uimsbf
ackPeriod	8	uimsbf
tCDownloadWindow	32	uimsbf
tCDownloadScenario	32	uimsbf
compatibilityDescriptor()		
numberOfModules	16	uimsbf
for(i=0;i<numberOfModules;i++){		
moduleId	16	uimsbf
moduleSize	32	uimsbf
moduleVersion	8	uimsbf
moduleInfoLength	8	uimsbf
for(i=0;i<moduleInfoLength;i++){		
moduleInfoByte	8	uimsbf
}		
}		
privateDataLength	16	uimsbf
for(i=0;i<privateDataLength;i++){		
privateDataByte	8	uimsbf
}		
}		

DATA STRUCTURE	NUMBER OF BITS	BIT LINE DESCRIPTION
control_data_byte(){		
bit_flag_length	8	uimsbf
for(i=0;i<bit_flag_length;i++){		
bit_flag	8	uimsbf
}		
}		

FIG.22

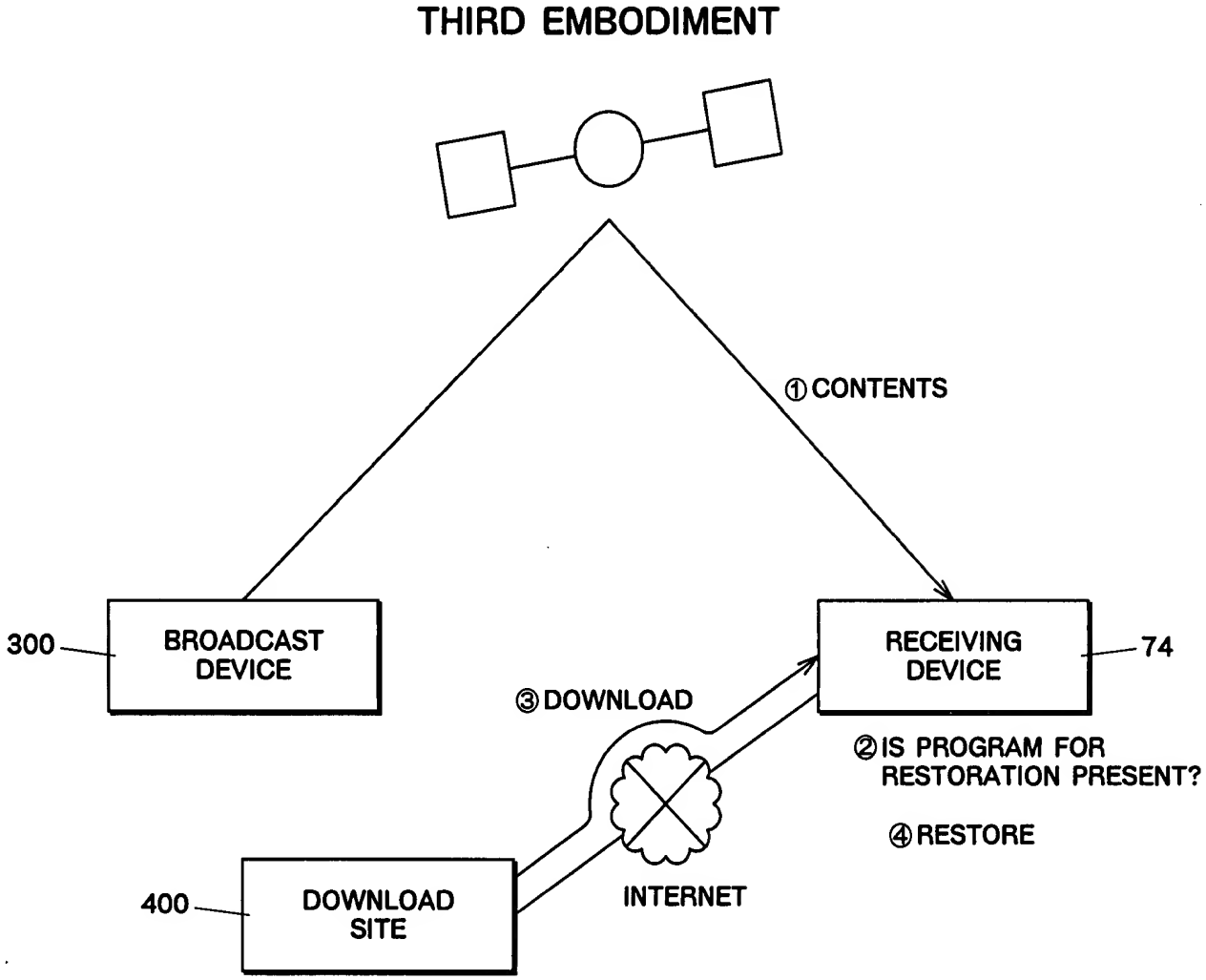

THIRD EMBODIMENT
①CONTENTS
300
BROADCAST DEVICE
RECEIVING DEVICE
74
③DOWNLOAD
②IS PROGRAM FOR RESTORATION PRESENT?
④RESTORE
400
DOWNLOAD SITE
INTERNET

FIG.23

ENTIRE CONSTRUCTION OF RECEIVING DEVICE

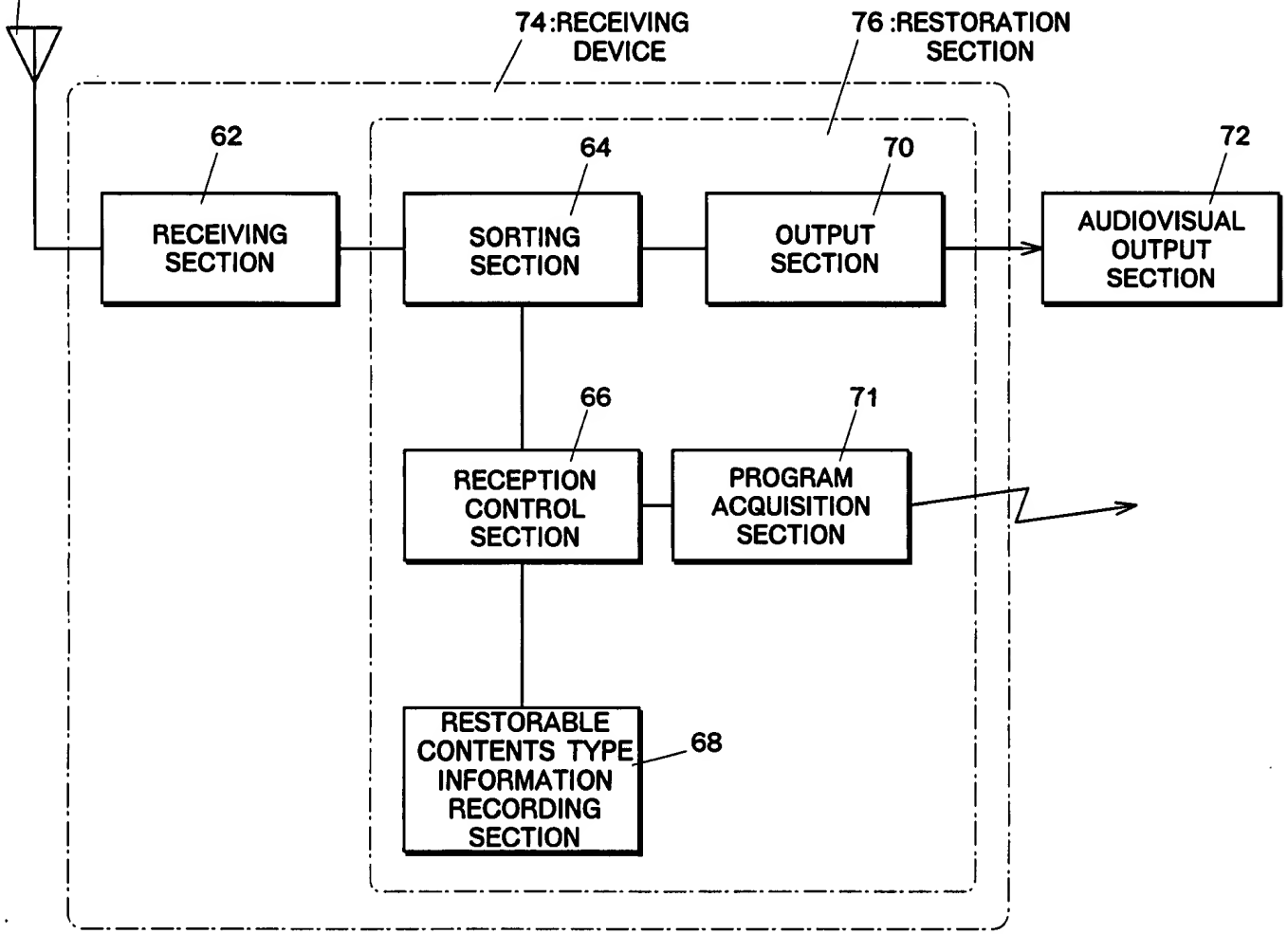


FIG.24

HARDWARE STRUCTURE OF RECEIVING DEVICE

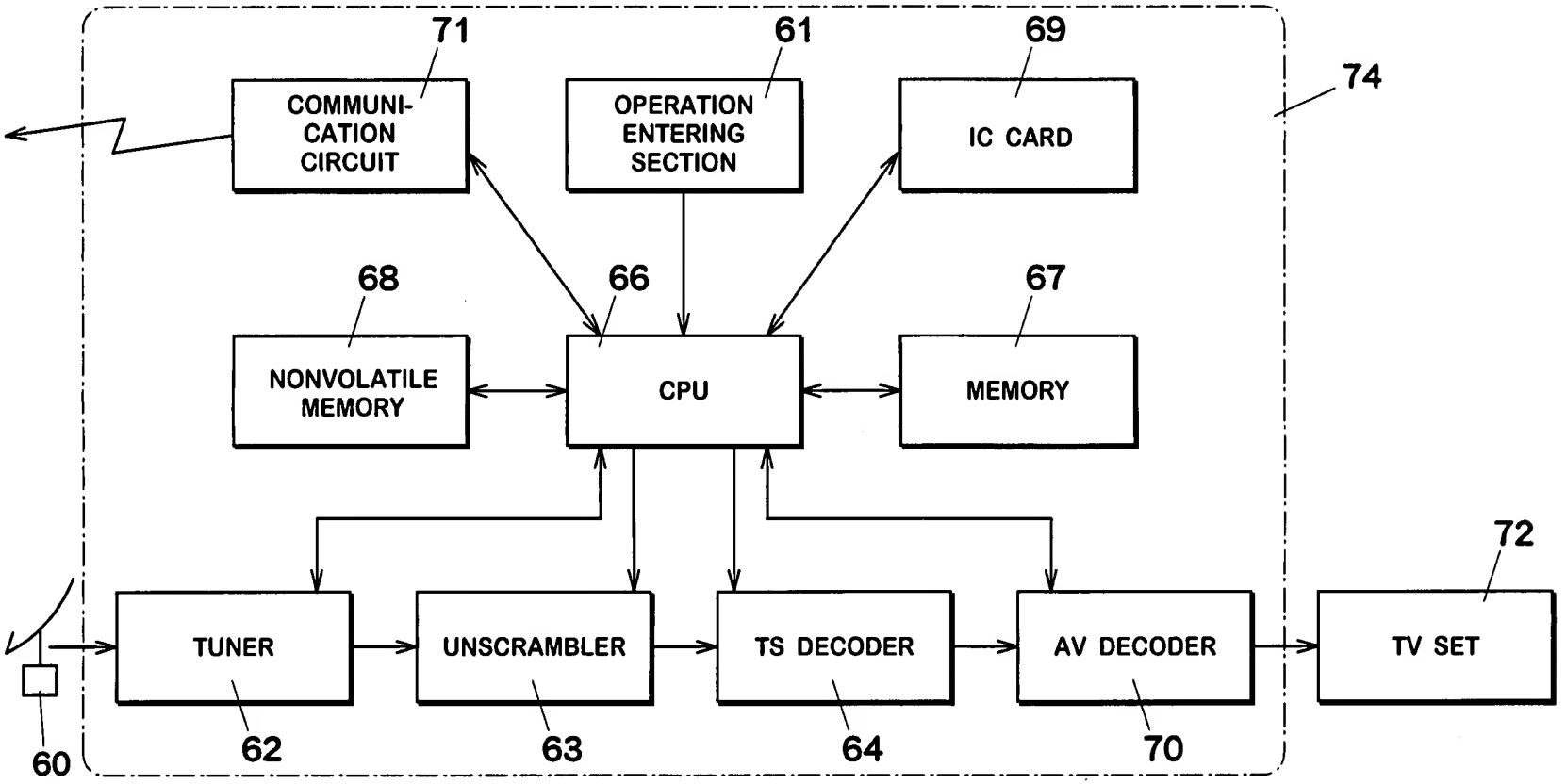


FIG.25

CONTENTS TYPE INFORMATION
AND ACQUISITION LOCATION INFORMATION

PNG	1	http://www.mei.co.jp/PNG
XML	0	———
GIF	1	http://www.mei.co.jp/GIF
	⋮	⋮

FIG.26

RECEPTION PROCESS

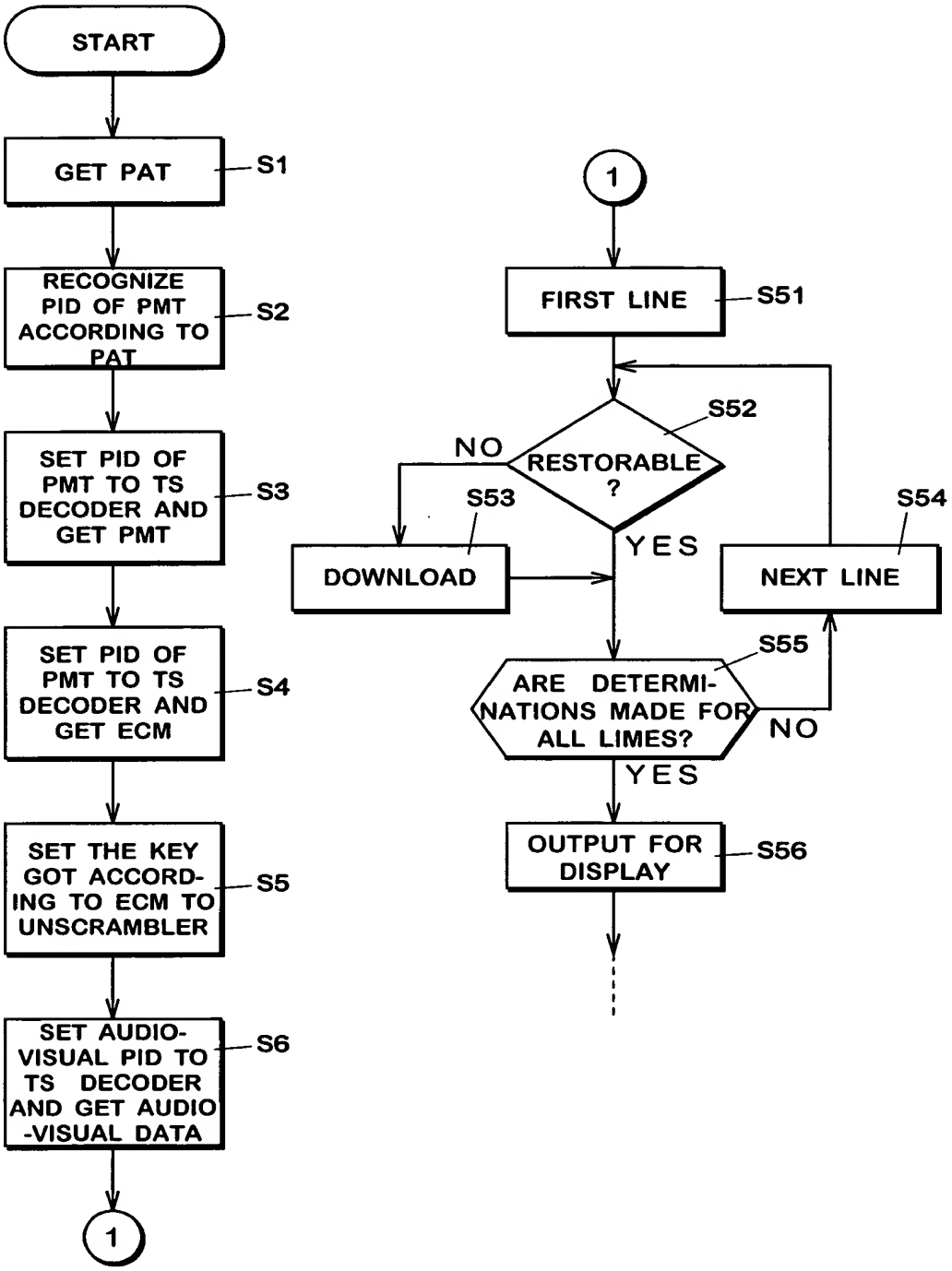
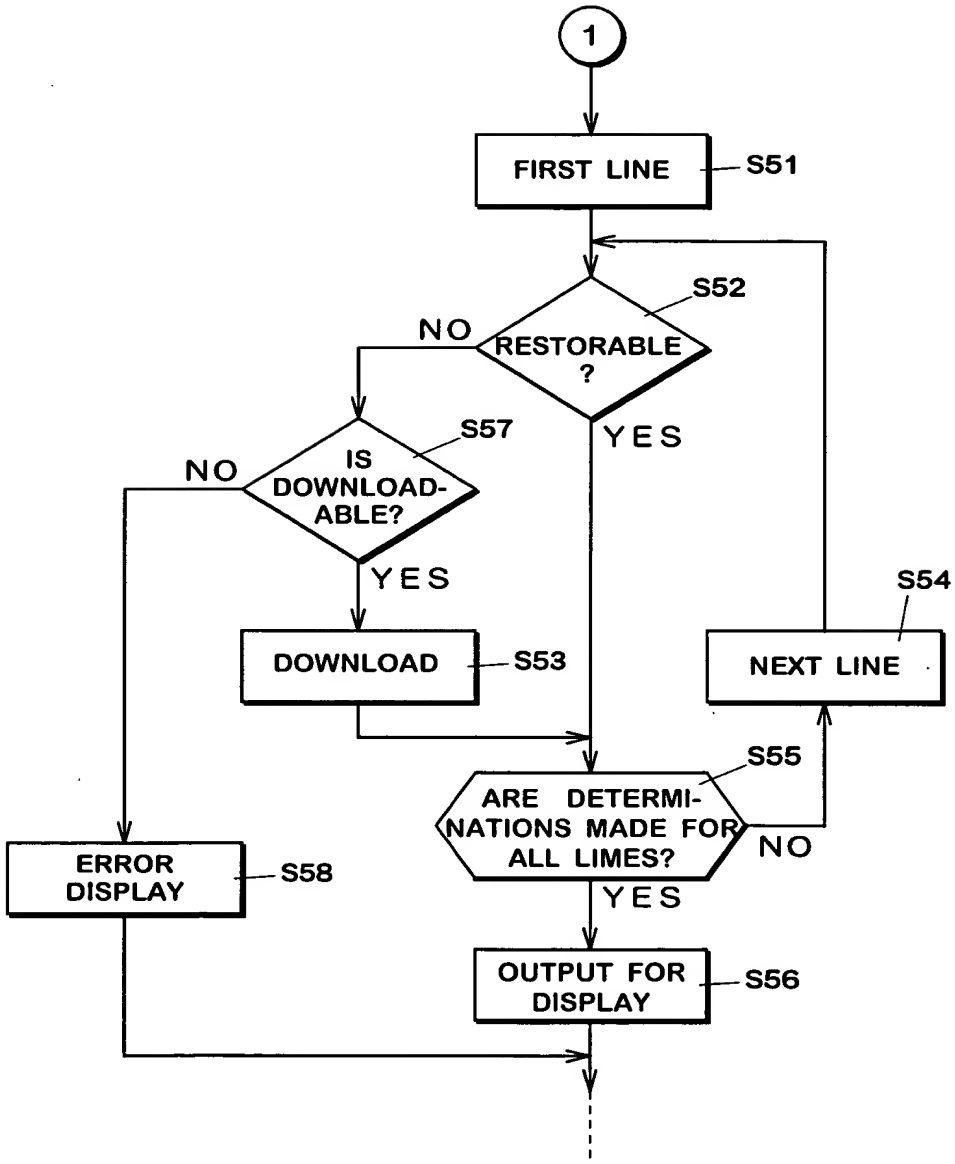


FIG.27

CONTENTS TYPE INFORMATION	ACQUISITION LOCATION INFORMATION	NECESSARY CONDITION INFORMATION
PNG	http://www.mei.co.jp/PNG	300K
XML	http://www.mei.co.jp/GIF	150K
⋮	⋮	⋮

FIG.28


1
FIRST LINE
S51
S52
NO
RESTORABLE ?
YES
S57
NO
IS DOWNLOAD-ABLE?
YES
S54
DOWNLOAD
S53
NEXT LINE
S55
ARE DETERMI-NATIONS MADE FOR ALL LIMES?
NO
ERROR DISPLAY
S58
YES
OUTPUT FOR DISPLAY
S56